Power Pentode

9-PIN MINIATURE TYPE

GENERAL DATA

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	Electrical:			
~	Heater, for Unipotential Cathode: Voltage (AC or DC)			
	Direct Interelectrode Capacitances (Approx.): $^{\mathbf{a}}$ Grid No.1 to plate 0.5 $\mu\mu$ f Grid No.1 to cathode & grid No.3,			
	grid No.2, and heater 10.8 $\mu\mu$ f Plate to cathode & grid No.3,			
-	grid No.2, and heater 6.5 $\mu\mu$ f Grid No.1 to heater 0.25 $\mu\mu$ f			
	Characteristics, Class A; Amplifler:			
	Plate Voltage			
	Mechanical:			
	Operating Position			
	Pin 1- Internal Connection— Do Not Use Pin 2-Grid No.1 Pin 3-Cathode, Grid No.3 Pin 4- Heater Pin 5- Heater Pin 6- Same as Pin 1 Pin 7- Plate Pin 8- Same as Pin 1 Pin 9-Grid No.2			
PUSH-PULL AF POWER AMPLIFIER Class AB				
Maximum Ratings, Design-Center Values:				
	PLATE VOLTAGE			

	MAX.—SIGNAL GRID—No.2 INPUT 4 max. PEAK HEATER—CATHODE VOLTAGE: Heater negative with respect to cathode . 100 max. Heater positive with respect to cathode . 100 max.	watts volts volts	
	Typical Operation:		
	Values are for 2 tubes		
	Plate Voltage. 400 Grid-No.2 Voltage. 300 Grid-No.1 Voltage15 Peak AF Grid-No.1 Voltage. 14.8 Zero-Signal Plate Current. 15 MaxSignal Plate Current. 105 Zero-Signal Grid-No.2 Current. 1.6 MaxSignal Grid-No.2 Current. 25 Effective Load Resistance	volts volts volts volts ma ma ma	
	(Plate to plate) 8000 Total Harmonic Distortion 4 Max.—Signal Power Output 24	ohms % watts	
	Maximum Circuit Values:		
	Grid-No.1-Circuit Resistance: For fixed-bias operation 0.3 max.	megohm	
	PUSH-PULL AF POWER AMPLIFIER Class AB		
	71400 AP		
	Grid No. 2 of each tube connected to tab		
	Grid No. 2 of each tube connected to tap on plate winding of output transformer		
-	Grid No.2 of each tube connected to tap on plate winding of output transformer Maximum Ratings, Design-Center Values: PLATE AND GRID-No.2 (SCREEN-GRID)		
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 \rightarrow indicates a change.



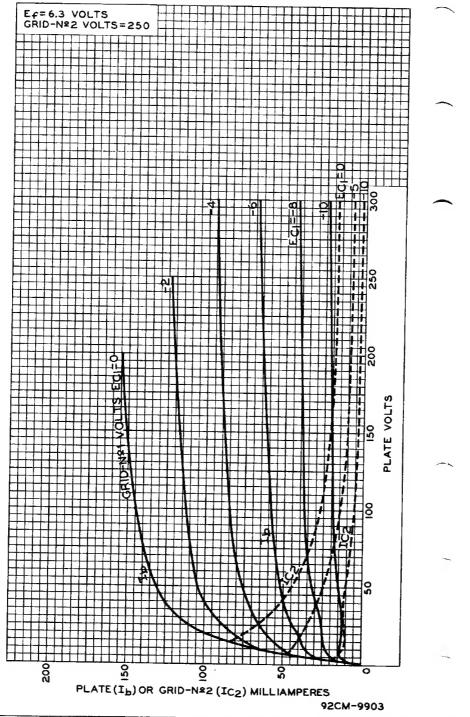
Maximum Circuit Values:

Grid-No.1-Circuit Resistance: For cathode-bias operation. 1 max. megohm

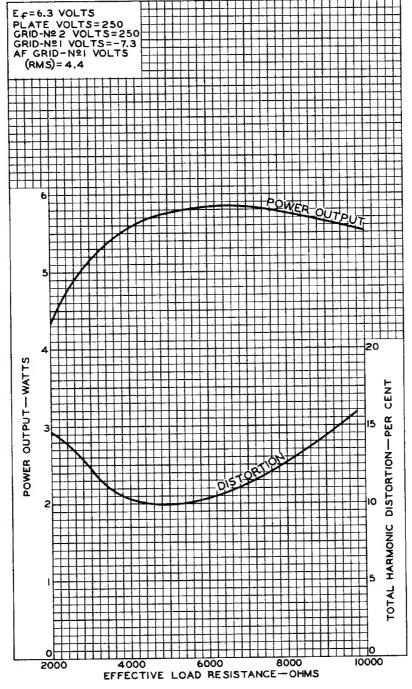
 $^{{\}color{red} a}$ Without external shield.

b Obtained from taps on the primary winding of the output transformer. The taps are located on each side of the center-tap (B+) so as to supply 43 per cent of the plate signal voltage to grid No.2 of each output tube.

AVERAGE CHARACTERISTICS



OPERATION CHARACTERISTICS



92CM-9902